ATTACHMENT 1
STATEMENT OF WORK

Stratospheric Observatory for Infrared Astronomy (SOFIA)
FLIGHT SIMULATOR TRAINING ACCESS AND SERVICES (BOEING 747-200)

November 2015

Introduction & Background

The Stratospheric Observatory for Infrared Astronomy (SOFIA) is an international science program with joint participation by NASA (National Aeronautics and Space Administration) and the German DLR (German Aerospace Center). To conduct its scientific mission, SOFIA operates a modified Boeing 747SP aircraft (N747NA), which flies an on-board infrared telescope assembly, collecting astronometric science data during nighttime hours, while flying at altitudes of 35,000-45,000 feet.

To maintain the proficiency and currency of the SOFIA flight crews, both NASA pilots and flight engineers receive training using 747-200 Level C-type training simulators. NASA also uses simulator training for initial qualification of new flight crew members.

Objective and Scope

The objective of this Statement of Work is to obtain access to commercially-available, full motion, flight simulation facilities for 747SP aircraft flight crew training. NASA will coordinate simulator time availability and training events with the Contractor. NASA has roughly six flight crews of three members each (pilot, co-pilot, flight engineer). NASA will provide its own training instructors.

Requirements

1. FAA Level C or higher certified 747-200 full motion simulator. Contractor to provide copy of FAA National Simulator Program Statement of Qualification.
2. FAA part 142 certified training school. Contractor to provide copy of FAA Part 142 Certificate.
3. Training hours required: Up to 150 hours/year (approximate). Training events to be coordinated with Contractor as required based on simulator availability and flight crew training schedules.
4. Need Contractor-provided instructor for initial instruction on simulator operation, and checkout of six NASA instructors. NASA will provide its own instructors for all subsequent flight crew training.

Period of Performance

Tentative: March 1, 2016 to February 28, 2019
or 3 years after award